


**STATE OF NEW HAMPSHIRE
INTER-DEPARTMENT COMMUNICATION**

DATE: April 13, 2017

FROM:  Matt Urban
Wetlands Program Manager

AT (OFFICE): Department of
Transportation

SUBJECT Dredge & Fill Application
Ossipee, 1832H-3

Bureau of
Environment

TO Gino Infascelli, Public Works Permitting Officer
New Hampshire Wetlands Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Forwarded herewith is the application package prepared by NH DOT District 3 for the subject Minor impact project. This project is classified as Minor per Env-Wt 303.03(l). The project is located on NH Route 16B in the Town of Ossipee, NH. The proposed work consists of repairs to a failing retaining wall and roadway embankment.

This project was reviewed at the Natural Resource Agency Coordination Meeting on March 15th 2017. A copy of the draft minutes have been included with this application package. A copy of this application and plans can be accessed on the Departments website via the following link: <http://www.nh.gov/dot/org/projectdevelopment/environment/units/program-management/wetland-applications.htm>

Mitigation is not required for this project.

A payment voucher has been processed for this application (Voucher #483680) in the amount of \$200.

The lead people to contact for this project are William Rollins, Highway Maintenance District 3 (448-2654 or william.rollins@dot.nh.gov) or Matt Urban, Wetlands Program Manager, Bureau of Environment (271-3226 or matt.urban@dot.nh.gov).

If and when this application meets with the approval of the Bureau, please send the permit directly to Matt Urban, Wetlands Program Manager, Bureau of Environment.

MRU:mru
Enclosures
cc:
BOE Original
Town of Ossipee (4 copies via certified mail)
Edna Feighner, NH Division of Historic Resources (Cultural Review Within)
Carol Henderson, NH Fish & Game (via electronic notification)
Maria Tur, US Fish & Wildlife (via electronic notification)
Mark Kern, US Environmental Protection Agency (via electronic notification)
Michael Hicks, US Army Corp of Engineers (via electronic notification)
Kevin Nyhan, BOE (via electronic notification)

S:\Environment\PROJECTS\OSSIPEE\1832H-3\Wetlands\final\WETAPP - District 3.doc

**WETLANDS PERMIT APPLICATION**

Land Resources Management

Wetlands Bureau

Check the status of your application: www.des.nh.gov/onestop

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

1. REVIEW TIME:

Indicate your Review Time below. Refer to Guidance Document A for instructions.

☒ Standard Review (Minimum, Minor or Major Impact)☐ Expedited Review (Minimum Impact only)**2. PROJECT LOCATION:**

Separate applications must be filed with each municipality that jurisdictional impacts will occur in.

ADDRESS: **30 NH Route 16B**TOWN/CITY: **Ossipee**TAX MAP: **096**

BLOCK:

LOT: **003**

UNIT:

USGS TOPO MAP WATERBODY NAME: **Beech River**☐ NASTREAM WATERSHED SIZE: **33.11 square miles**☐ NALOCATION COORDINATES (If known): **43.750446 -71.139639**☐ Latitude/Longitude ☒ UTM ☐ State Plane**3. PROJECT DESCRIPTION:**

Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply "See Attached" in the space provided below.

The proposed project will stabilize the roadway embankment and retaining wall along Beech River where it crosses under NH Route 16B in the Town of Ossipee. A new catch basin will be installed in the roadway, stabilize the existing scour areas, install filter fabric and stone behind the retaining wall and install large diameter stone in the impounded channel of the Beech River just south of the dam.

4. SHORELINE FRONTAGE☒ NA This lot has no shoreline frontage.

SHORELINE FRONTAGE:

Shoreline frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line.

5. RELATED PERMITS, ENFORCEMENT, EMERGENCY AUTHORIZATION, SHORELAND, ALTERATION OF TERRAIN, ETC.

Shoreland PBN

6. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:

See the Instructions & Required Attachments document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB 16 - 2510

b. ☐ Designated River the project is in $\frac{1}{4}$ miles of: _____; and
date a copy of the application was sent to the Local River Management Advisory Committee: Month: ____ Day: ____ Year: ____

☒ NAshoreland@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

7. APPLICANT INFORMATION (Desired permit holder)LAST NAME, FIRST NAME, M.I.: **Hanscom, Alan**TRUST / COMPANY NAME: **NH Department of Transportation, District 3**MAILING ADDRESS: **2 Sawmill Road**TOWN/CITY: **Gilford**STATE: **NH**ZIP CODE: **03249**EMAIL or FAX: **alan.hanscom@dot.nh.gov**PHONE: **603-524-6667**ELECTRONIC COMMUNICATION: By initialing here: **AH**, I hereby authorize NHDES to communicate all matters relative to this application electronically**8. PROPERTY OWNER INFORMATION (If different than applicant)**

LAST NAME, FIRST NAME, M.I.:

TRUST / COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically

9. AUTHORIZED AGENT INFORMATION

LAST NAME, FIRST NAME, M.I.:

COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically

10. PROPERTY OWNER SIGNATURE:

See the Instructions & Required Attachments document for clarification of the below statements

By signing the application, I am certifying that:

1. I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.
2. I have reviewed and submitted information & attachments outlined in the Instructions and Required Attachment document.
3. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
4. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
5. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
6. Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.
7. I have submitted a Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for NHPA 106 compliance.
8. I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.
9. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
10. I understand that the willful submission of falsified or misrepresented information to the New Hampshire Department of Environmental Services is a criminal act, which may result in legal action.
11. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.



Property Owner Signature

Alan G. Hanscom

Print name legibly

Date

4/11/2017

shoreland@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

MUNICIPAL SIGNATURES

11. CONSERVATION COMMISSION SIGNATURE

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11;
2. Believes that the application and submitted plans accurately represent the proposed project; and
3. Has no objection to permitting the proposed work.

	Print name legibly	Date
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DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. Expedited review requires the Conservation Commission signature be obtained **prior** to the submittal of the original application to the Town/City Clerk for signature.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will reviewed in the standard review time frame.

12. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 2014), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

	Print name legibly	Town/City	Date
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DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3,I

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application, but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
4. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

1. Submit the single, original permit application form bearing the signature of the Town/ City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery.

13. IMPACT AREA:

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact

Permanent: impacts that will remain after the project is complete.

Temporary: impacts not intended to remain (and will be restored to pre-construction conditions) after the project is complete.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Perennial Stream / River	/ <input type="checkbox"/> ATF	150 / 30 <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	120 / 30 <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	120 / 30	150 / 30

14. APPLICATION FEE: See the Instructions & Required Attachments document for further instruction

☐ Minimum Impact Fee: Flat fee of \$ 200

☒ Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking) 270 sq. ft. X \$0.20 = \$ 54.00

Temporary (seasonal) docking structure: sq. ft. X \$1.00 = \$

Permanent docking structure: sq. ft. X \$2.00 = \$

Projects proposing shoreline structures (including docks) add \$200 = \$

Total = \$ 54.00

The Application Fee is the above calculated Total or \$200, whichever is greater = **\$ 200.00**

shoreland@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

This topographic map depicts the Ossipee Lake region in New Hampshire. The lake is shown in blue at the top, with the 'OSSIPEE LAKE STATE NATURAL AREA' labeled below it. The map features numerous roads, including NH Route 16, NH Route 25, and various local roads like Birch Tree Rd, Main St, and Annie Nichols Rd. Contour lines indicate elevation, with labels such as 550, 500, and 400. Several benchmarks (BM) and spot elevations are marked. A yellow callout box with the text 'Wall and Slope Stabilization' points to a specific location on the map, likely indicating a project site. The map also shows the 'HEATH POND BOG STATE NATURAL AREA' and the 'OSSIPEE LAKE STATE PARK' boundary. The town of Effingham is visible on the right side of the map.

1 inch = 2,000 feet

1:24,000

WETLANDS PERMIT APPLICATION – ATTACHMENT A MINOR AND MAJOR - 20 QUESTIONS

Water Division/ Wetlands Bureau/ Land Resources Management

Check the Status of your application: www.des.nh.gov/onestop



RSA/ Rule: RSA 482-A, Env-Wt 100-900

Env-Wt 302.04 Requirements for Application Evaluation - For any major or minor project, the applicant shall demonstrate by plan and example that the following factors have been considered in the project's design in assessing the impact of the proposed project to areas and environments under the department's jurisdiction. Respond with statements demonstrating:

1. The need for the proposed impact.

The need for the project is to correct a roadside drainage problem adjacent to NH 16B. Stormwater runoff from the roadway is eroding the roadway embankment and destabilizing the retaining wall along the Beech River just upstream of the Beech River Dam, which is still utilized to produce electricity for the Beech River Mill located across the river from the project area. The retaining wall must be stabilized in order to prevent further deterioration of the roadway embankment and cause potential impacts to NH Route 16B as well as to prevent collapse and potential damage to the Beech River Dam. Additionally, the stormwater runoff is not being properly treated is carrying sediment from the eroding roadway embankment into the Beech River.

2. That the alternative proposed by the applicant is the one with the least impact to wetlands or surface waters on site.

In the existing condition, the stormwater runoff from NH Route 16B is not being collected by the existing catch basin and is flowing across the roadway embankment causing erosion and destabilizing the retaining wall along the Beech River. The proposed project will install a new catch basin in the roadway to catch this water, connect it to the existing catch basin and allow it to outlet through the existing pipe just above the retaining wall. In order for this water to safely outlet in the area, the erosion on the roadway embankment and along the retaining wall will be stabilized by placing fill and filter fabric behind the wall and large diameter stone along the base of the wall within the impounded Beech River channel south of the dam. The placement of the stone along the retaining wall is not located in the actual channel of the Beech River but is limited to the bank area, so stream impacts are minimized. Utilizing the existing drainage structures and patterns and repairing the existing erosion in order to prevent future erosion is the alternative with the least amount of impact because the excess excavation associated with removing the existing system and installing a completely new system is avoided. Additionally, the proposed project will decrease the amount of sediment that is able to enter the Beech River from stormwater runoff coming off of NH Route 16B.

shoreland@des.nh.gov or (603) 271-2147

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www.des.nh.gov

7. The impact on plants, fish and wildlife including, but not limited to:
- a. Rare, special concern species;
 - b. State and federally listed threatened and endangered species;
 - c. Species at the extremities of their ranges;
 - d. Migratory fish and wildlife;
 - e. Exemplary natural communities identified by the DRED-NHB; and
 - f. Vernal pools.

a-b. The proposed project has been reviewed by the NH Natural Heritage Bureau and the US Fish and Wildlife Service for potential impacts to state and federally protected rare, threatened or endangered species and their habitats, or any other species of special concern. NHHNB indicated that although there are known records of protected species in the vicinity of the project area, there are not anticipated impacts due to the limited scope of work. The USFWS indicated that the project is located within the ranges of the federally protected small-whorled pogonia and the northern long-eared bat. Further consultation was completed and it was found that there are no anticipated impacts to either of these species due to lack of suitable habitat within the project area.

c. No species at the extremities of their ranges were identified in the project area by NHHNB or USFWS.

d. No migratory fish or wildlife were identified in the project area by NHHNB or USFWS.

e. No exemplary natural communities were identified in the project area by NHHNB.

f. No vernal pools were identified in the project area at the time that wetlands were delineated.

8. The impact of the proposed project on public commerce, navigation and recreation.

The project will have a positive impact on public commerce, as it will stabilize the roadway embankment and prevent future deterioration which could require costly repairs. Additionally, stabilizing the retaining wall will protect the Beech River Dam located downstream from potential damage, which supplies power to the Beech River Mill. The Beech River Mill is a historic and productive wood-shop which produces handmade shutters and contributes to the economy of NH and more locally in Ossipee.

9. The extent to which a project interferes with the aesthetic interests of the general public. For example, where an applicant proposes the construction of a retaining wall on the bank of a lake, the applicant shall be required to indicate the type of material to be used and the effect of the construction of the wall on the view of other users of the lake.

There will be no aesthetic changes which will impact the general public. The installation of the catch basin will be located in the same area as the existing catch basin and will not change the way the roadway looks. The owner of the Beech River Mill across the Beech River from the project site has requested the proposed project in order to maintain the safety and stability of the Beech River Dam and is in favor of the installation of the large diameter stone at the base of the retaining wall which will be visible from the mill property.

13. The impact of a proposed project on quantity or quality of surface and ground water. For example, where an applicant proposes to fill wetlands the applicant shall be required to document the impact of the proposed fill on the amount of drainage entering the site versus the amount of drainage exiting the site and the difference in the quality of water entering and exiting the site.

This work should improve surface water quality as it will eliminate migration of eroded soil into the river. There will be no impact to subsurface water, either negatively or positively from the proposed work.

14. The potential of a proposed project to cause or increase flooding, erosion, or sedimentation.

The intent of the work is to eliminate erosion that is currently occurring and prevent future opportunities for erosion at this location. The installation of the filter fabric along the wall will help ensure no unwanted sediment enters the Beech River.

15. The extent to which a project that is located in surface waters reflects or redirects current or wave energy which might cause damage or hazards.

This work will not reflect or redirect current or wave energy.

18. The impact upon the value of the sites included in the latest published edition of the National Register of Natural Landmarks, or sites eligible for such publication.

There are no sites included in, or eligible for inclusion in, the National Register of Natural Landmarks located in the project area.

19. The impact upon the value of areas named in acts of congress or presidential proclamations as national rivers, national wilderness areas, national lakeshores, and such areas as may be established under federal, state, or municipal laws for similar and related purposes such as estuarine and marine sanctuaries.

There are no areas such as those described above located in the project area.

20. The degree to which a project redirects water from one watershed to another.

This work does not redirect any water from one watershed to another.

DRAFT

BUREAU OF ENVIRONMENT CONFERENCE REPORT

SUBJECT: NHDOT Monthly Natural Resource Agency Coordination Meeting

DATE OF CONFERENCE: March 15th, 2017

LOCATION OF CONFERENCE: John O. Morton Building

ATTENDED BY:

NHDOT

Sarah Large
Ron Crickard
Mark Hemmerlein
David Kammer
Marc Laurin
Kevin Nyhan
Rebecca Martin
Jon Evans
Steve Johnson
Cassandra Burns
Stephanie Micucci
Bill Saffian
Sally Gunn
Don Lyford
Shaun Flynn
Samantha Fifield
C.R. Willkie
Joseph Adams
Michael Licciardi
Jon Hebert

Wendy Johnson
Bob Landry

EPA

Mark Kern

NHDES

Gino Infascelli
Lori Sommer
Pierce Rigrod

NHF&G

Carol Henderson
John Magee

NH Natural Heritage

Bureau

Amy Lamb

**Consultants/Public
Participants**

Dawn Tuomala
Jim Bouchard
Lisa Martin
Don Lussier
John Parrelli
Josif Bicja
Kimberly Peace
Sean James
Brad Harriman
Christine Perron
Brian Colburn
Matt Lundsted
Clint Mercer
David Kull
Jed Merrow

(When viewing these minutes online, click on an attendee to send an e-mail)

PRESENTATIONS/ PROJECTS REVIEWED THIS MONTH:

(minutes on subsequent pages)

Finalization of January 18 th Meeting Minutes.....	2
Merrimack, #15841 (X-A004(550)).....	2
Keene, #29340.....	3
Columbia, #41290	Error! Bookmark not defined.
Hampton Falls, #40503	Error! Bookmark not defined.
Bradford, #23819 (X-A002(772))	Error! Bookmark not defined.
Ossipee, #23818 (X-A002(771)).....	Error! Bookmark not defined.
Roxbury-Sullivan, #10439 (F-X-0121(034))	Error! Bookmark not defined.
Lebanon-Hartford, #16148 (A001(154)).....	Error! Bookmark not defined.
Walpole-Charlestown, #14747 (X-A004(487)).....	Error! Bookmark not defined.
Nashua-Merrimack-Bedford, #13761 (IM-0931(201))	Error! Bookmark not defined.
Cutts Cove Advanced Mitigation Discussion Update (Portsmouth, #15731).	Error! Bookmark not defined.

(When viewing these minutes online, click on a project to zoom to the minutes for that project.)

as improving the land around the bank on the project side of the river by installing a war memorial. He wants to stabilize this eroded area to prevent further damage to infrastructure on his property which surrounds the project area.

This project has not been previously discussed at a Monthly Natural Resource Agency Coordination Meeting.



Beech River Mill
30 Route 16B
Center Ossipee, NH 03814
603-539-2636
Fax: 603-539-1384
info@beechrivermill.com
www.beechrivermill.com

Date 4.5.2017
From: Beech River Mill
To: State of NH DOT

William Rollins,

Good morning, please let this correspondence serve as permission to use our property located at 28 & 30 Route 16 B in Center Ossipee NH 03814 for purposes of repair and maintaince of bridge imbutments and drainage issues on the Beech River. Thank you!

Randy Ouellette
Senior Vice President
Beech River Mill
30 Route 16B
Center Ossipee NH 03814
Phone: 603.539.2636
Fax: 603.539.1384
E-mail info@beechrivermill.com
Web: www.beechrivermill.com



NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: Melilotus Dube, New Hampshire Department of Transportation
7 Hazen Drive
Concord, NH 03301

From: NH Natural Heritage Bureau

Date: 8/15/2016 (valid for one year from this date)

Re: Review by NH Natural Heritage Bureau of request submitted 8/11/2016

NHB File ID: NHB16-2510

Applicant: Melilotus Dube

Location: Ossipee

Northeast corner of the NH Route 16B over Beech River crossing

Project

Description: Repair retaining wall and repair/replace stone lined ditch and erosion stone along Beech River at the NH Route 16B crossing

The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government.

It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 8/11/2016, and cannot be used for any other project.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 03301
PHONE: (603)223-2541 FAX: (603)223-0104
URL: www.fws.gov/newengland



Consultation Code: 05E1NE00-2016-SLI-2047

August 11, 2016

Event Code: 05E1NE00-2016-E-02861

Project Name: Ossipee 1832H-3

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.



United States Department of Interior
Fish and Wildlife Service

Project name: Ossipee 1832H-3

Official Species List

Provided by:

New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 03301
(603) 223-2541
<http://www.fws.gov/newengland>

Consultation Code: 05E1NE00-2016-SLI-2047

Event Code: 05E1NE00-2016-E-02861

Project Type: TRANSPORTATION

Project Name: Ossipee 1832H-3

Project Description: Repair retaining wall and repair/replace stone lined ditch and erosion stone along Beech River near the Beech River Mill to prevent further erosion of the roadway embankment at the Beech River/NH Route 16B crossing.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Ossipee 1832H-3

Endangered Species Act Species List

There are a total of 2 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Flowering Plants	Status	Has Critical Habitat	Condition(s)
Small Whorled pogonia (<i>Isotria medeoloides</i>)	Threatened		
Mammals			
Northern long-eared Bat (<i>Myotis septentrionalis</i>)	Threatened		

Dube, Melilotus

From: Hicks, Michael C NAE <Michael.C.Hicks@usace.army.mil>
Sent: Friday, October 14, 2016 12:53 PM
To: Dube, Melilotus
Subject: RE: Ossipee 1832H NLEB 4d form/no effect?

Meli,

It appears you have Endangered/Threatened Species covered with the USFWS letter. I am not sure what the final determination is from the NESHPO.

Mike

Michael Hicks, PM
USACE, REG DIV., BR. C
978-318-8157

-----Original Message-----

From: Dube, Melilotus [mailto:MDube@dot.state.nh.us]
Sent: Friday, October 14, 2016 9:51 AM
To: Hicks, Michael C NAE <Michael.C.Hicks@usace.army.mil>
Subject: [EXTERNAL] Ossipee 1832H NLEB 4d form/no effect?

Good morning Mike,

I have another maintenance job which does require a wetlands permit but does not have any federal funding, and would therefore appreciate your input a potential "no effect" finding or help with submitting the 4d application to USFWS.

I will attach all relevant forms and supporting documentation, but here is a summary as well:

1. Location: NH Route 16B over Beech River in Ossipee
2. Proposed work: Embankment stabilization (see details in 4d form)
3. Tree clearing: all work will be located in maintained mowed grassy roadway embankment, there are no trees or bushes in the project area and therefore no tree clearing anticipated
4. Bridge work: there will be no work to the actual bridge which carries NH Route 16B over Beech River
5. IPAC: the IPAC indicated NLEB and small-whorled pogonia. I have attached the Section 7 online review from the USFWS website, which indicates that there is no suitable habitat for small-whorled pogonia present in the project area. Additionally, I did perform a site inspection and did not note any of these plants present at that time.
6. NHDHR has requested that we monitor the site for impacts to archaeological resources during excavation. Sheila Charles will complete this monitoring at that time and we will receive the official memo from NHDHR after the fact once construction is completed. In the meanwhile, for our NEPA review, we will include our standard language indicating that



United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
<http://www.fws.gov/newengland>



January 22, 2016

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

<http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm> (accessed January 2016)

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Maria Tur of this office at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

Dube, Melilotus

From: Mike R Johnson - NOAA Federal <mike.r.johnson@noaa.gov>
Sent: Monday, March 27, 2017 8:59 AM
To: Dube, Melilotus
Subject: Re: NHDOT Ossipee 1832H-3 Beech River Stabilization

Thanks, Meli. This email is adequate documentation for the consultation.

Mike

On Mon, Mar 27, 2017 at 7:06 AM, Dube, Melilotus <Melilotus.Dube@dot.nh.gov> wrote:

Mike,

We will certainly ensure that all necessary BMPs are installed to prevent erosion and sedimentation of the river during construction. We typically find that DES includes a low flow condition on our permits anyway, but for this project we are planning on doing the work during the summer and I'll be sure to relay the importance of this timing to our maintenance crews. Is there any other formal documentation necessary or is this email adequate record of our coordination?

Meli

From: Mike R Johnson - NOAA Federal [mailto:mike.r.johnson@noaa.gov]
Sent: Thursday, March 23, 2017 2:42 PM
To: Dube, Melilotus
Subject: Re: NHDOT Ossipee 1832H-3 Beech River Stabilization

Meli,

Thanks for your email. Based on this information, I would recommend conducting the work during the standard low-flow period during the summer months. In addition, standard BMP to minimize turbidity and sedimentation during construction should be implemented.

Thanks,

Mike

On Thu, Mar 23, 2017 at 1:57 PM, Dube, Melilotus <Melilotus.Dube@dot.nh.gov> wrote:

Greater Atlantic Regional Fisheries Office
(formerly, Northeast Regional Office)
Habitat Conservation Division
55 Great Republic Drive
Gloucester, MA 01930
978-281-9130

mike.r.johnson@noaa.gov

<http://www.greateratlantic.fisheries.noaa.gov/>



Web www.nmfs.noaa.gov
Facebook www.facebook.com/usnoaafisheriesgov
Twitter www.twitter.com/noaafisheries
YouTube www.youtube.com/usnoaafisheriesgov

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Michael R. Johnson
U.S. Department of Commerce
NOAA Fisheries
Greater Atlantic Regional Fisheries Office
(formerly, Northeast Regional Office)
Habitat Conservation Division
55 Great Republic Drive
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978-281-9130
mike.r.johnson@noaa.gov
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YouTube www.youtube.com/usnoaafisheriesgov



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.
Assistant Commissioner

OSSIPEE

1832H-3

RPR 8/12

RECEIVED
OCT 24 2016

No Historic Properties Affected Memo

Pursuant to the Request for Project Review response by the NH Division of Historical Resources on October 4, 2016, and for the purpose of compliance with regulations of the National Historic Preservation Act, the Advisory Council on Historic Preservation's *Procedures for the Protection of Historic Properties* (36 CFR 800), and the US Army Corps of Engineers' *Appendix C*; the NH Division of Historical Resources and the US Army Corps of Engineers have coordinated the identification and evaluation of cultural resources with plans to repair and stabilize the roadway embankment and retaining wall between Route 16B and Beech River in the town of Ossipee, New Hampshire. A former project (Ossipee 12879) to reconstruct the bridge at this crossing was associated with a No Historic Properties Affected Memo, dated March 1, 2001, due to the identification of substantive fill.

The proposed project actions, limited to the southeast quadrant of the NH Route 16B and Beech River Crossing, will install a new catch basin, outlet that water down the embankment into a newly defined ditch line filled with erosion stone, excavate behind the historic stone retaining wall to repair damage, and stabilize the wall by placing geo technical fabric behind the wall and backfilling with a free draining material. Larger diameter stone will be placed at the base of the wall on the river side to prevent scour during high flow.

Based on a review pursuant to 36 CFR 800.4, we have determined that the NH Route 16B and Beech River Crossing lies within an active and historic industrial mill complex. The proposed excavation within the southeastern quadrant of the bridge crossing will be monitored by a 36 CFR 61 qualified archaeologist during construction and if cultural resources are encountered, all necessary phases of archaeology will be completed.

In accordance with the Advisory Council's regulations, we will continue to consult, as appropriate, as this project proceeds.


Jill Edelman

Cultural Resources Manager

10/24/2016
Date

Concurred with by the NH State Historic Preservation Officer:


Elizabeth H. Muzzey

State Historic Preservation Officer

10-27-16
Date



**US Army Corps
of Engineers**
New England District

**U.S. Army Corps of Engineers
New Hampshire Programmatic General Permit (PGP)
Appendix B - Corps Secondary Impacts Checklist
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See PGP, GC 5 regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*		X
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	X	
2.2 Are there proposed impacts to SAS, shellfish beds, special wetlands and vernal pools (see PGP, GC 26 and Appendix A)? Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) website, www.nhnaturalheritage.org , specifically the book Natural Community Systems of New Hampshire .		X
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	N/A	N/A
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		X
2.5 The overall project site is more than 40 acres.		X
2.6 What is the size of the existing impervious surface area?	N/A	
2.7 What is the size of the proposed impervious surface area?	N/A	
2.8 What is the % of the impervious area (new and existing) to the overall project site?	N/A	
3. Wildlife	Yes	No
3.1 Has the NHB determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require a NHB determination.)		X
3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: • PDF: www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm . • Data Mapper: www.granit.unh.edu . • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html .		X
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		X
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		X
3.5 Are stream crossings designed in accordance with the PGP, GC 21?	N/A	N/A

Ossipee 1832H-3
Beech River Slope and Retaining Wall Stabilization
NHDES Standard Dredge and Fill Application Photos
Taken by Meli Dube, August 2016



Figure 1. Project Area from opposite side of Beech River, Impact Areas A and B



Figure 2. Eroded bank of Beech River adjacent to destabilized retaining wall, Impact Area A



Figure 5. Project area and crossing of NH Route 16B over Beech River from Beech River Dam



Figure 6. Beech River Mill and Beech River Dam from the project area

PART Env-Wt 404 CRITERIA FOR SHORELINE STABILIZATION

Env-Wt 404.01 Least Intrusive Method.

The riverbank stabilization proposed is the least disruptive method. The stone placed to stabilize the wall will be placed on the existing bank above the ordinary high water and during low flow conditions.

Env-Wt 404.02 Diversion of Water.

The existing runoff from NH16B is bypassing the existing catch basin and causing erosion above the wall. Installation of an additional catch basin will capture this surface runoff and eliminate the erosion of soil into the river.

Env-Wt 404.03 Vegetative Stabilization.

The areas of erosion above the wall will be loamed and seeded and mulched to stabilize the existing slope. Temporary erosion control measures will be employed until the area is fully stabilized.

Env-Wt 404.04 Rip-rap.

- (a) Stone fill is proposed at the base of the wall and above the ordinary high water line to stabilize the base of the wall and protect against erosion of the river bank during high flow events.
- (b)
- (b) The stone fill is as follows:
 - (1) Class I Riprap Nominal (minimum) size 6" Maximum size 12"
 - (2) $<15\%$ 0.05 CF $15\%-85\%$ 0.14 CF $>85\%$ 0.31 Maximum 12"
 - (3) Minimum rip-rap thickness = 12 inches
 - (4) Type of bedding for stone – existing natural soil possibly underlain with geotechnical fabric
 - (5) Cross-section and plan views of the proposed installation are attached.
 - (6) The wetland impact plans clearly indicate the relationship of the project to fixed points of reference, abutting properties, and features of the natural shoreline
 - (7) The existing soil and vegetation has eroded under high flow conditions. The stone fill will prevent further erosion and stabilize
- (c) The project is not located adjacent to a great pond or water body where the state holds fee simple ownership.
- (d) Stone fill is proposed to be placed above the ordinary high water line and placed during low flow conditions.
- (e) We are proposing only 30 lineal feet of stone fill along the river's edge.

**Beech River Mill
Wall repair and drainage work
NH16B - Ossipee**

Env-Wt 404.05 Walls

The following requirements relative to walls shall apply to non-tidal waters.

Address each statement explaining how you meet these requirements.

(1) Walls shall be permitted only where lack of space or other limitations of the site make alternative stabilization methods impractical.

This is not a new proposed wall but rather repair work to stabilize the existing wall and prevent further scour at the base of the wall and destabilization of the wall due to surface runoff from the road side drainage system running across the lawn and over the top of the wall. Our intent is to fill in the void under the base stone of the wall where scour has slowly eaten away at the soil during heavy flow periods of the river. After the soil is placed to fill the void, we will place Class "B" stone along the base of the wall to armor the wall against further erosion. We will also place Class "B" stone above the soil to prevent erosion from occurring from the road surface runoff.

(2) Applications for walls shall include cross-section and plan views of the proposed installation and sufficient plans to clearly indicate the relationship of the project to fixed points of reference, abutting properties, and features of the natural shoreline.

I have included a cross section drawing the details the proposed work.

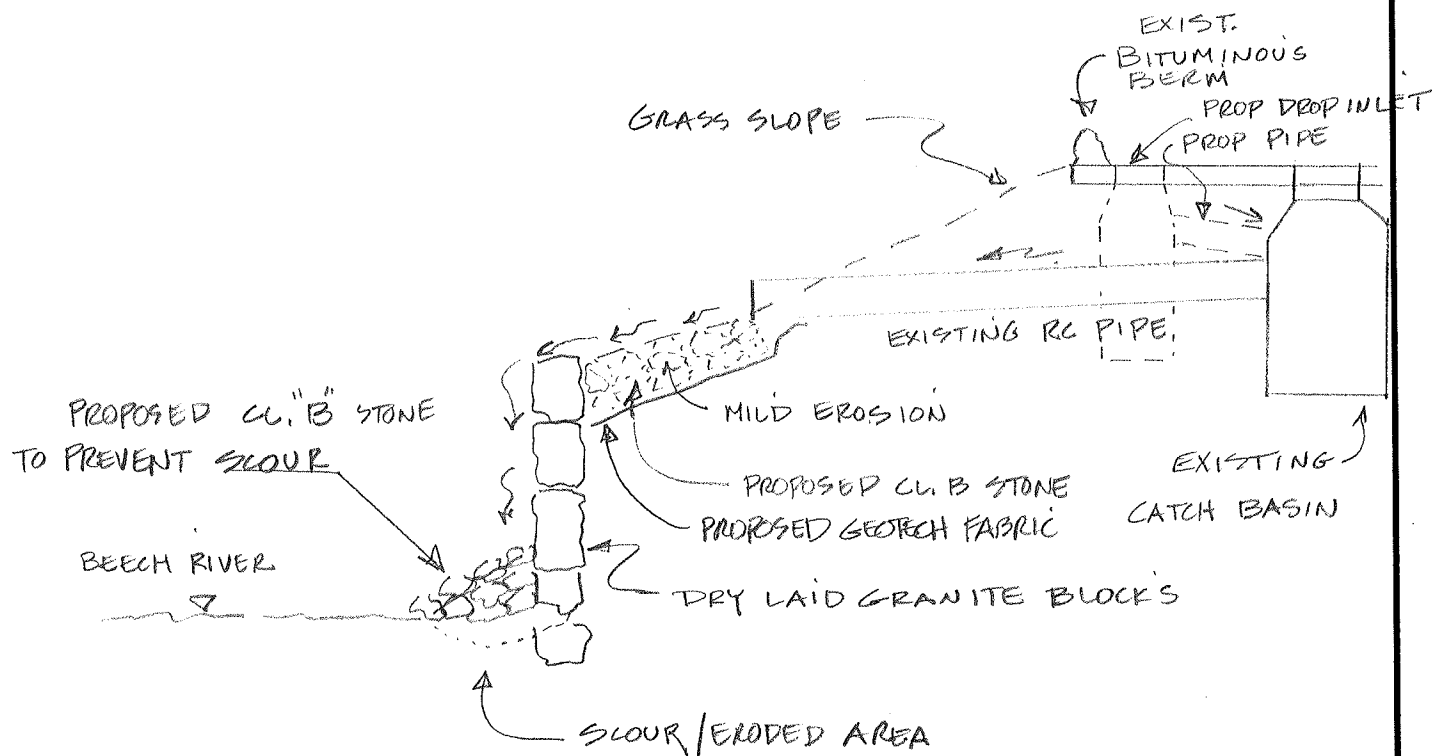
(3) Walls on great ponds or water bodies where the state holds fee simple ownership shall be located on the shoreward side of the normal high-water shoreline.

This project is not adjacent to a great pond.

(4) Applications for walls adjacent to great ponds or water bodies where the state holds fee simple ownership shall include a stamped surveyed plan showing the location of the normal high water shoreline and the footprint of the proposed project.

This project is not adjacent to a great pond.

CALCULATION FOR _____



— OSSIPPEE NH16B

TYPE OF WETLAND IMPACT	PERMANENT IMPACT
N.H.V.B. (NON-WETLAND)	
N.H.V.B. & A.C.O.E. (WETLAND)	

N.H.V.B. - NEW HAMPSHIRE WETLANDS BOARD
A.C.O.E. - ARMY CORP. OF ENGINEERS



WETLAND DESIGNATION NUMBER



WETLAND IMPACT LOCATION



WETLAND MITIGATION AREA



TEMPORARY IMPACTS



MITIGATION

ORDINARY HIGH WATER

TOP OF BANK

TIDAL BUFFER ZONE

TOP OF BANK &
ORDINARY HIGH WATER

SHOWN SMALLER THAN ACTUAL SIZE

WETLAND DESIGNATION	USFWS WETLAND CLASSIFICATION	LOCATION	AREA (S.F.)		
			N.H.V.B. (NON-WETLAND)	N.H.V.B. & A.C.O.E. (WETLAND)	TEMPORARY IMPACTS
1	BANK	A	120 SF		150 SF
2	R2UG3h	B			
		C			
		D			
		E			
		F			
		G			
		H			
		I			

PERMANENT IMPACTS: 120 S.F.

TEMPORARY IMPACTS: 150 S.F.

TOTAL IMPACTS: 270 S.F.

COPY

Ossipee



Standard Dredge and Fill

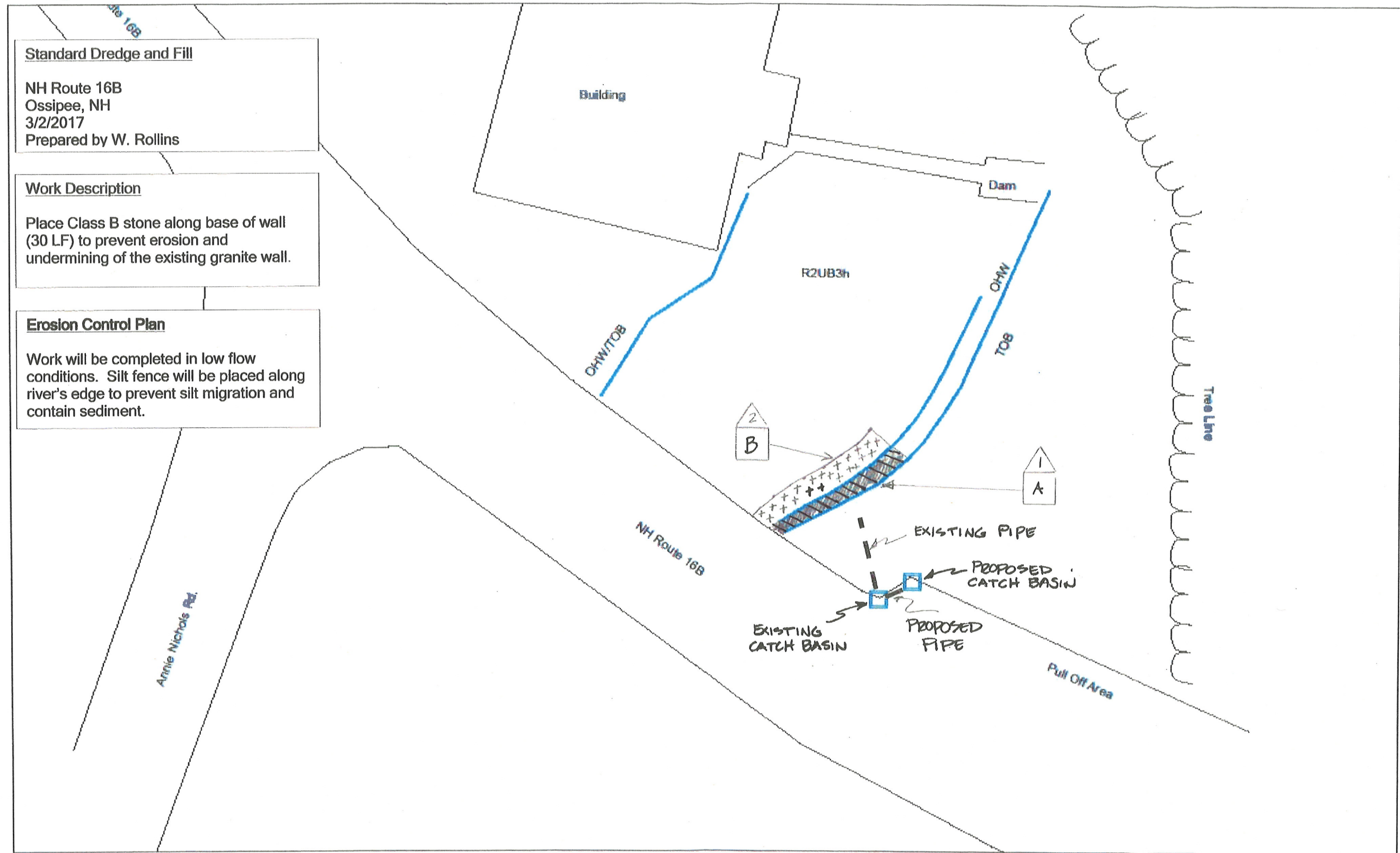
NH Route 16B
Ossipee, NH
3/2/2017
Prepared by W. Rollins

Work Description

Place Class B stone along base of wall
(30 LF) to prevent erosion and
undermining of the existing granite wall.

Erosion Control Plan

Work will be completed in low flow
conditions. Silt fence will be placed along
river's edge to prevent silt migration and
contain sediment.



0 20 40 80 Feet

Wetland Delineation By: Matt Urban
Date: August 2016

Plan Prepared by: Bill Rollins
Date: 3/7/2017

1 inch = 20 feet